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(54) SPREADING FIRE PREVENTIVE JIG OF PIPE PIERCING PART, AND SPREADING FIRE PREVENTIVE STRUCTURE USING THE SPREADING FIRE PREVENTIVE JIG

(57) Abstract:

PROBLEM TO BE SOLVED: To improve the execution property and the spreading fire preventive effect.

SOLUTION: A spreading fire preventive jig 50 is fitted to pipes 10A, 10B covered with a heat insulation material, the jig 50 is provided on a pipe piercing part of a bulkhead 100, cylindrical bodies 20, 30 are provided at the position of each end in the pipe piercing part of the pipes 10A, 10B, the cylindrical bodies 20, 30 comprise upper shells 21, 31 and lower shells 22, 32 to be opened/closed in a freely holding manner to the pipes 10A, 10B, and the cylindrical bodies 20, 30 are connected to each other by a pin 23. The thermal expansion filling materials 41, 42 made of the fire-retarding material are provided in the cylindrical bodies 20, 30 between the pipes. Because the heat insulation material for pipes 10A-10D is combustible, the fire spreads toward the pipe piercing part through the heat insulation materials 1A-1D. The thermal expansion filling materials 41,42 are expanded, and no air passage is formed between the filling materials and the inner surface of the cylindrical bodies 20, 30, or between the filling materials and the heat insulation materials 1A-1D, and the spreading fire is prevented.